

## ABSTRACT OF THE DISCLOSURE

5      An edge image acquisition apparatus obtains an image of a time ( $t - \Delta t$ ) and an image of time  $t$ , i.e., images different in time by  $\Delta t$ . The apparatus calculates their motion difference to produce a motion difference image. Furthermore the apparatus calculates a spatial difference of one of the images to produce a spatial difference image. The produced motion and spatial difference images are then logically ANDed together to produce a logically ANDed image to extract and output an edge.